

FORM PTO-1449

SIXTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1744.0260001APPLICATION NO.
09/476,093INVENTORS
SORRELLS *et al.*FILING DATE
January 3, 2000ART UNIT
2685

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
CC.	AF63	6,813,485 B2	11/2004	Sorrells <i>et al.</i>			
CC.	AG63	5,410,270	04/1995	Rybicki <i>et al.</i>			
CC.	AH63	6,509,777 B2	01/2003	Razavi <i>et al.</i>			
CC.	AI63	5,982,329	11/1999	Pittman <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

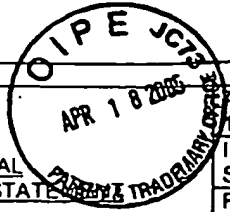
EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
	AO	
	AP	
	AQ	
	AR	

EXAMINER

DATE CONSIDERED

6/9/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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U.S. PATENT DOCUMENTS

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C.C.	AA64	6,208,636 B1	03/2001	Tawil <i>et al.</i>			
C.C.	AB64	3,614,630	10/1971	Rorden			
C.C.	AC64	6,836,650 B2	12/2004	Sorrells <i>et al.</i>			
C.C.	AD64	5,844,868	12/1998	Takahashi <i>et al.</i>			
C.C.	AE64	6,385,439 B1	05/2002	Hellberg			
C.C.	AF64	6,741,139 B2	05/2004	Pleasant <i>et al.</i>			
C.C.	AG64	6,823,178 B2	11/2004	Pleasant <i>et al.</i>			
C.C.	AH64	6,850,742 B2	02/2005	Fayyaz			
C.C.	AI64	6,853,690 B1	02/2005	Sorrells <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AK						Yes No
	AL						Yes No
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EXAMINER INITIAL	DOC. REF.	CITATION
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EXAMINER
[Signature]

DATE CONSIDERED
6/9/05

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2685

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
C.C.	AA65	4,789,837	12/1988	Ridgers			
C.C.	AB65	5,634,207	05/1997	Yamaji <i>et al.</i>			
C.C.	AC65	5,642,071	06/1997	Sevenhans <i>et al.</i>			
C.C.	AD65	6,211,718 B1	04/2001	Souetinov			
C.C.	AE65	6,212,369 B1	04/2001	Avasarala			
C.C.	AF65	6,308,058 B1	10/2001	Souetinov <i>et al.</i>			
C.C.	AG65	6,633,194 B2	10/2003	Amberg <i>et al.</i>			
C.C.	AH65	2001/0036818 A1	11/2001	Dobrovolny			
C.C.	AI65	6,873,836 B1	03/2005	Sorrells <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

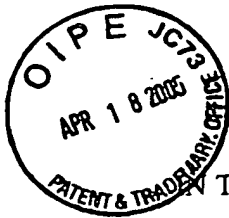
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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SORRELLS *et al.*

Appl. No.: 09/476,093

Filed: January 3, 2000

For: **Aliasing Communication System
and Method with Multi-Mode
and Multi-Band Functionality
and Embodiments Thereof, Such
as the Family Radio Service (as
amended)**

Confirmation No.: 7306

Art Unit: 2685

Examiner: Chow, Charles Chiang

Atty. Docket: 1744.0260001

Sixth Supplemental Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Sixth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Fifth Supplemental Information Disclosure Statement filed on November 16, 2004 in connection with the above-captioned application.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

04/20/2005 HAL111

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not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Applicants provide the following comments regarding the documents:

Documents AF63, AC64, AI64, and AI65 are co-owned patents which are directed to related subject matter.

Documents AF63 and AA65-AH65 were cited in an Office Action in related U.S. Patent Application No. 09/855,851, filed May 16, 2001, entitled "Apparatus, System, and Method for Down-Converting and Up-Converting Electromagnetic Signals," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,465,415, 6,049,706, 6,061,551, 6,580,902, and 6,687,493, all of which have already been cited in the present application.

Documents AG63 and AH63 were cited in an Office Action in related U.S. Patent Application No. 10/289,377, filed November 7, 2002, entitled "Method and Apparatus for Reducing DC Offsets in a Communication System," directed to related subject matter.

Document AI63 was cited in a Notice of Allowance in related U.S. Patent Application No. 10/197,441, filed July 18, 2002, entitled "Method and System for Frequency Up-Conversion With a Variety of Transmitter Configurations," directed to related subject matter.

Document AA64 was cited in an Office Action in related U.S. Patent Application No. 10/086,250, filed March 4, 2002, entitled "Applications of Universal Frequency Translation," directed to related subject matter.

Document AB64 was cited in an Office Action in related U.S. Patent Application No. 09/590,955, filed June 9, 2000, entitled "Phase Shifting Applications of Universal Frequency Translation," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 5,982,315, which has already been cited in the present application.

Document AD64 was cited in an Office Action in related U.S. Patent Application No. 09/569,045, filed May 10, 2000, entitled "Method and Apparatuses Relating to a Universal Platform Module and Enabled by Universal Frequency Translation Technology," directed to related subject matter.

Documents AE64-AH64 were cited in a Notice of Allowance in related U.S. Patent Application No. 09/770,675, filed January 29, 2001, entitled "Wireless and Wired Cable Modem Applications of Universal Frequency Translation Technology," directed to related subject matter.

This statement should not be construed as a representation that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.

- ☐ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☒ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable

inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☒ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$_____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §

Atty. Docket: 1744.0260001

1.56(c) more than three months prior to the filing of this
Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

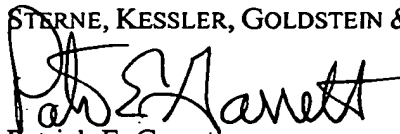
- ☐ 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- ☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below in accordance with 37 C.F.R. § 1.98(a)(3).
- ☒ 7. In accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. _____, filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- ☐ 9. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). _____ in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick E. Garrett
Attorney for Applicants
Registration No. 39,987

Date: 4/18/05

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

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#17
7/15/04
CH

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 64040
Application ID: 09476093
Title of Invention: Communication System Method
with Multi-Mode and Multi-Band
Functionality and Embodiments
Thereof, Such as the Family
Radio Service
First Named Inventor: David SORRELLS
Domestic/Foreign Application: Domestic Application
Filing Date: 2000-01-03
Effective Receipt Date: 2004-07-06
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 7306
Attorney Docket Number: 1744.0260001
Total Fees Authorized: 180.0
Payment Category: Credit Card
Credit Card Number: *****1005
Expiration Date: 08312005
Card Holder Name: SKGF PLLC
Postal Code: 20005
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2004-07-06
RAM Sequence Number: 1064599

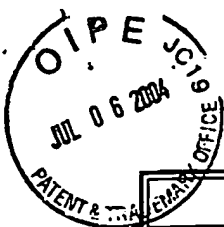


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Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 44cfbb5a30989ff1abc8df37c71b85c892195b32

**TRANSMITTAL**

Electronic Version v1.1

Stylesheet Version v1.1.0


Title of Invention	Communication System Method with Multi-Mode and Multi-Band Functionality and Embodiments Thereof, Such as the Family Radio Service													
<table><tr><td>Application Number:</td><td>09/476093</td><td rowspan="4"> RECEIVED JUL 09 2004 Technology Center 2600</td></tr><tr><td>Date:</td><td>2000-01-03</td></tr><tr><td>First Named Applicant:</td><td>David F. SORRELLS</td></tr><tr><td>Confirmation Number:</td><td>7306</td></tr><tr><td colspan="2">Attorney Docket Number: 1744.0260001</td><td></td></tr></table>			Application Number:	09/476093	 RECEIVED JUL 09 2004 Technology Center 2600	Date:	2000-01-03	First Named Applicant:	David F. SORRELLS	Confirmation Number:	7306	Attorney Docket Number: 1744.0260001		
Application Number:	09/476093	 RECEIVED JUL 09 2004 Technology Center 2600												
Date:	2000-01-03													
First Named Applicant:	David F. SORRELLS													
Confirmation Number:	7306													
Attorney Docket Number: 1744.0260001														
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>														
<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Jeffrey S. Weaver Registered Number: 45608</td><td>/JSW/</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Jeffrey S. Weaver Registered Number: 45608	/JSW/	Attorney						
Submitted by:	Elec. Sign.	Sign. Capacity												
Jeffrey S. Weaver Registered Number: 45608	/JSW/	Attorney												
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-fee-sheet</td><td>1744.0260001_Fifth_Supplemental_IDS-usfees.xml us-fee-sheet.xml us-fee-sheet.dtd</td></tr><tr><td>us-ids</td><td>1744.0260001_Fifth_Supplemental_IDS-usidst.xml us-ids.dtd us-ids.xml</td></tr></table>			Documents being submitted	Files	us-fee-sheet	1744.0260001_Fifth_Supplemental_IDS-usfees.xml us-fee-sheet.xml us-fee-sheet.dtd	us-ids	1744.0260001_Fifth_Supplemental_IDS-usidst.xml us-ids.dtd us-ids.xml						
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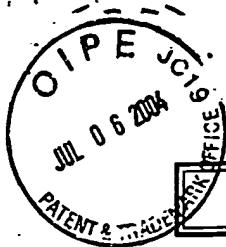
Comments

**FEE TRANSMITTAL**

Electronic Version v08

Stylesheet Version v08.0


Title of Invention	Communication System Method with Multi-Mode and Multi-Band Functionality and Embodiments Thereof, Such as the Family Radio Service										
Application Number: 09/476093											
Date: 2000-01-03		RECEIVED JUL 09 2004 Technology Center 2600									
First Named Applicant: David F. SORRELLS											
Attorney Docket Number: 1744.0260001											
Art Unit: 2685											
Examiner: Charles ChiangChow											
TOTAL FEE AUTHORIZED \$180											
Patent fees are subject to annual revisions on or about October 1st of each year.											
BASIC FILING FEE											
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$								
Submission Of Information Disclosure Stmt Fee	1806	180	180								
AUTHORIZED BILLING INFORMATION											
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:											
Credit account number: 1005											
Expiration Date (YYYYMMDD): 2005-08-31											
Authorized name: SKGF PLLC											
Billing address: 20005											



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Communication System Method with Multi-Mode and Multi-Band Functionality and Embodiments Thereof, Such as the Family Radio Service
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Application Number:	09/476093	
Confirmation Number:	7306	
First Named Applicant:	David SORRELLS	
Attorney Docket Number:	1744.0260001	
Art Unit:	2685	
Examiner:	Charles Chiang Chow	
Search string:	(5678226 or 5760632 or 6160280 or 5481570 or 5745846).pn.	

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Technology Center 2600

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
CC	1	5678226	1997-10-14	Li et al.			
CC	2	5760632	1998-06-02	Kawakami et al.			
CC	3	6160280	1999-12-12	Bonn et al.			
CC	4	5481570	1996-01-02	Winters			
CC	5	5745846	1998-04-28	Myer et al.			

Remarks

Note: Remarks are not for responding to an office action.

Cite Nos. 1-3 were cited in an Office Action in related U.S. Patent Application No. 09/550,642, filed April 14, 2000, entitled, "Method and System for Down-Converting an Electromagnetic Signal, and Transforms for Same," directed to related subject matter.

Cite Nos. 4 and 5 were cited in an Office Action in related U.S. Patent Application No. 10/317,165, filed December 12, 2002, entitled, "Method and Apparatus for Reducing DC Offsets in Communication Systems Using Universal Frequency Translation Technology," directed to related subject matter.

Signature



Examiner Name

Date

CHARLES CHOW

10/21/05

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